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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: markspencer

Timestamp: [year=2009; month=1; day=15; hr=6; min=55; sec=32; ms=574; ]

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\*\*\*\*\*

Reviewer Comments:

<210> 1

<211> 80

<212> DNA

<213> Artificial

<223> Oligonucleotide Ecad80

\* \* \* \* \*

For all sequences with features, numeric identifier <220> is mandatory for each feature. Please insert numeric identifier <220> at the beginning of each feature. Numeric identifier <220> should remain blank.

<210> 12

<211> 18

<212> DNA

<213> Artificial

<223> Substrate

<221> misc\_feature

<222> (6)..(6)

<223> n i s c o r u

\* \* \* \* \*

For SEQ ID # 12, "Substrate" is an insufficient response for numeric identifier <223>. Please explain the source of the genetic material. If the sequence is put together from several organisms, please list those organisms. If the sequence is made in the laboratory, please indicate that the sequence is synthesized. Please make all necessary changes.

<210> 14  
<211> 4  
<212> DNA  
<213> Artificial or Homo sapiens  
<223> Activation Induced Cytidine Deaminase hot-spot sequence  
<221> r  
<222> (1)..(1)  
<223> r is a or g  
<221> y  
<222> (3)..(3)  
<223> y is c or t  
<221> w  
<222> (4)..(4)  
<223> w is a or t  
\* \* \* \* \*

For SEQ ID # 14, numeric identifier <213> can be either "Artificial" or "Homo sapiens" but not both. Please make all necessary changes.

\*\*\*\*\*

Application No: 10563195

Version No: 1.0

**Input Set:****Output Set:**

**Started:** 2008-12-19 15:23:43.255  
**Finished:** 2008-12-19 15:23:45.145  
**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 890 ms  
**Total Warnings:** 15  
**Total Errors:** 17  
**No. of SeqIDs Defined:** 15  
**Actual SeqID Count:** 15

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (8)

**Input Set:**

**Output Set:**

**Started:** 2008-12-19 15:23:43.255  
**Finished:** 2008-12-19 15:23:45.145  
**Elapsed:** 0 hr(s) 0 min(s) 1 sec(s) 890 ms  
**Total Warnings:** 15  
**Total Errors:** 17  
**No. of SeqIDs Defined:** 15  
**Actual SeqID Count:** 15

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (13)
W 402	Undefined organism found in <213> in SEQ ID (14)
E 257	Invalid sequence data feature in <221> in SEQ ID (14)
E 257	Invalid sequence data feature in <221> in SEQ ID (14)
E 257	Invalid sequence data feature in <221> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (15)

# SEQUENCE LISTING

<110> Johnson & Johnson Research Pty Ltd

<120> Method for Detection of Alkylated Cytosine in DNA

<130> 30658208

<140> 10563195

<141> 2008-12-19

<150> PCT/AU2004/000900

<151> 2004-07-05

<160> 15

<170> PatentIn version 3.4

<210> 1

<211> 80

<212> DNA

<213> Artificial

<223> Oligonucleotide Ecad80

<400> 1

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gtgctcggg gctcacctgg 80

<210> 2

<211> 27

<212> DNA

<213> Artificial

<223> Oligonucleotide AA1

<400> 2

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<210> 3

<211> 27

<212> DNA

<213> Artificial

<223> Oligonucleotide AA2

<400> 3

acacccaaac catacacacc caaaaca 27

<210> 4

<211> 80

<212> DNA

<213> Artificial

<223> Oligonucleotide Ecad80M3

<221> misc\_feature

<222> (21)..(21)  
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<221> misc\_feature  
 <222> (47)..(47)  
 <223> n is 5'-methylcytosine

<221> misc\_feature  
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<400> 4  
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<210> 5  
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 <212> DNA  
 <213> Artificial  
 <223> Oligonucleotide T1

<400> 5  
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<210> 6  
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 <212> DNA  
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 <223> Oligonucleotide T1

<400> 6  
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<210> 7  
 <211> 80  
 <212> DNA  
 <213> Artificial  
 <223> Oligonucleotide antisense sequence of Ecad80 (ASEcad80)

<400> 7  
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 gccacagcca atcagcagcg 80

<210> 8  
 <211> 22  
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<400> 8  
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<210> 9  
<211> 23  
<212> DNA  
<213> Artificial  
<223> Chemically synthesised looping probe DNA sequence LP26

<400> 9  
gccccggagc gagggttcac ctg 23

<210> 10  
<211> 24  
<212> DNA  
<213> Artificial  
<223> Chemically synthesised looping probe DNA sequence LP26+1

<400> 10  
gccccggagc ggagggttca cctg 24

<210> 11  
<211> 26  
<212> DNA  
<213> Artificial  
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<400> 11  
agccaatcag cggtacgggg ggcggt 26

<210> 12  
<211> 18  
<212> DNA  
<213> Artificial  
<223> Substrate

<221> misc\_feature  
<222> (6)..(6)  
<223> n is c or u

<400> 12  
cggtangggg ggcggtgg 18

<210> 13  
<211> 9  
<212> DNA  
<213> Artificial  
<223> Primer

<400> 13  
ccaccgcc 9

<210> 14

<211> 4  
<212> DNA  
<213> Artificial or Homo sapiens  
<223> Activation Induced Cytidine Deaminase hot-spot sequence

<221> r  
<222> (1)..(1)  
<223> r is a or g

<221> y  
<222> (3)..(3)  
<223> y is c or t

<221> w  
<222> (4)..(4)  
<223> w is a or t

<400> 14  
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4

<210> 15  
<211> 18  
<212> DNA  
<213> Artificial  
<223> Primer 3ECAD11b

<400> 15  
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18